

Anti-TNF Antibodies and Peptide ors: Junming Le, *et al.*

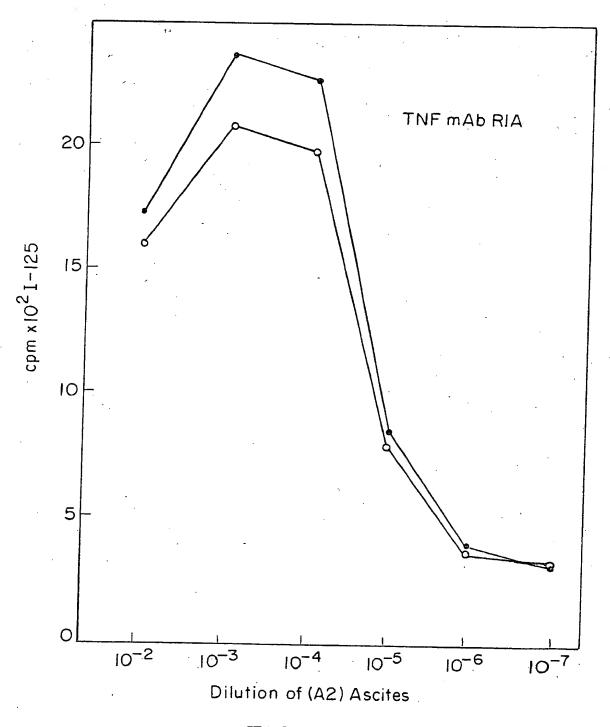


FIG. 1



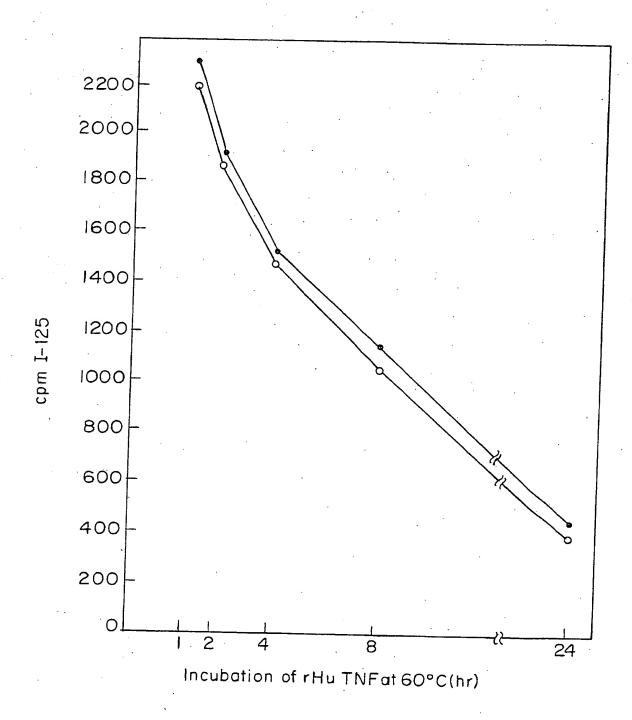
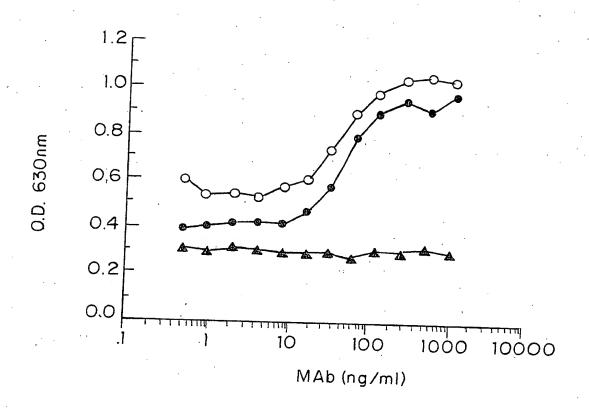


FIG. 2

t No.: 0975.1005-010
Anti-TNF Antibodies and Peptides
ors: Junming Le, et al. niventors:

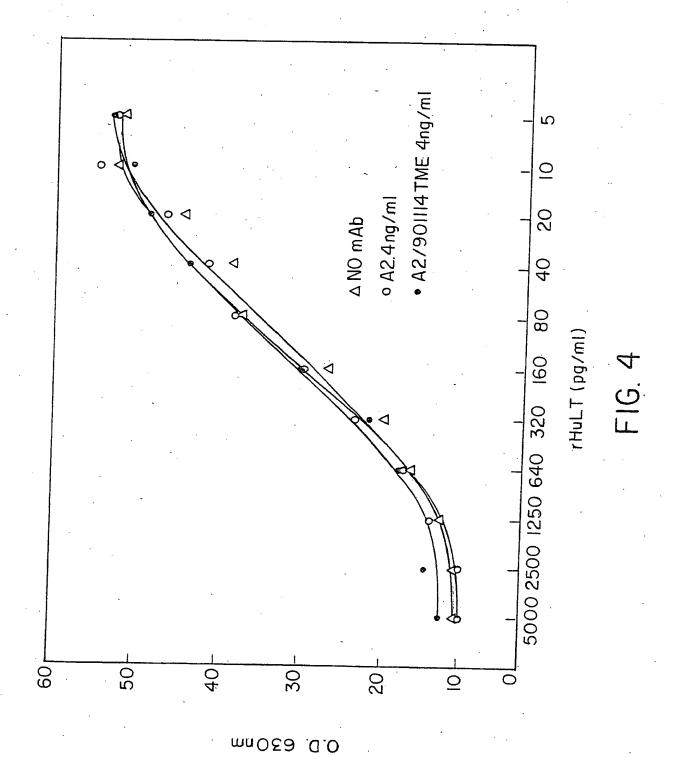


Natural Human TNF

- Recombinant Human TNF Ò
- Control

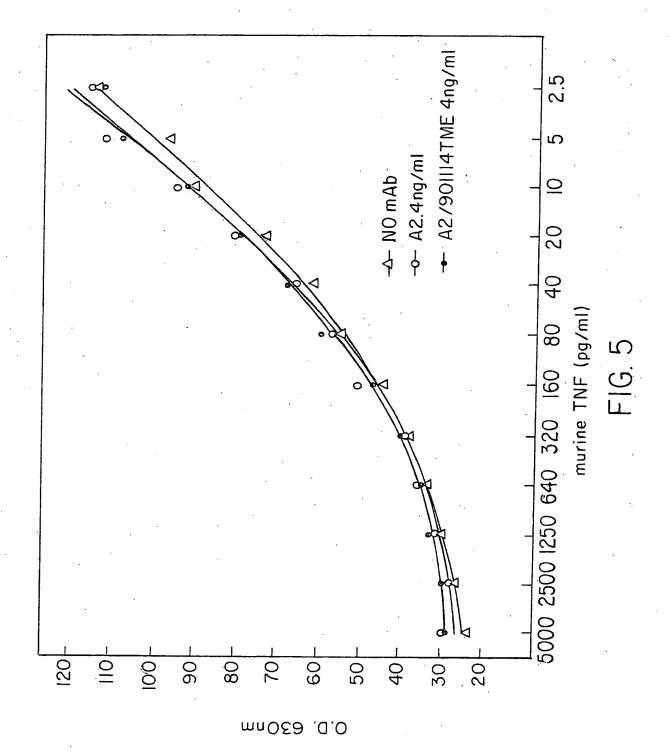
FIG. 3

No.: 0975.1005-010
Anti-TNF Antibodies and Peptides ors: Junming Le, et al.

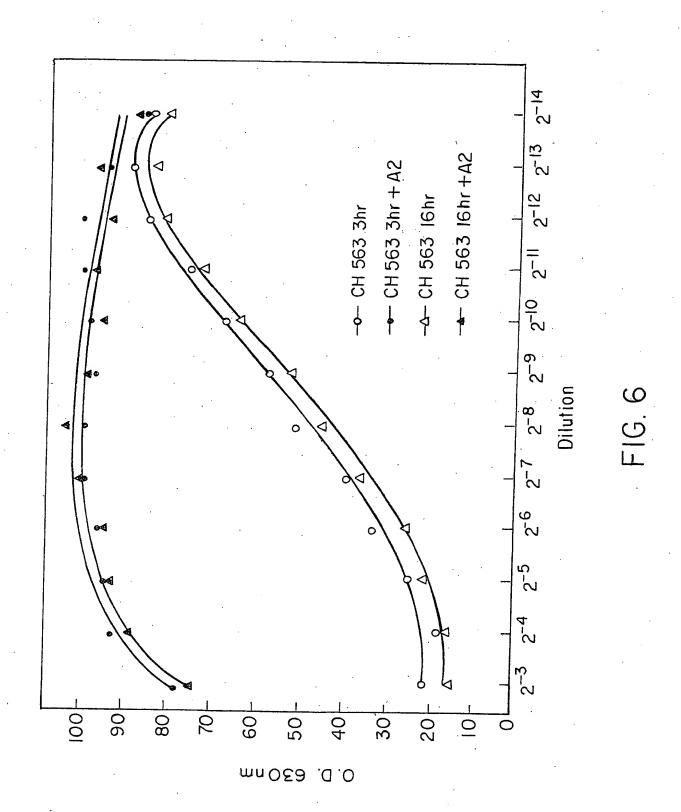


tle: Anti-TNF Antibodies and Peptide ventors: Junming Le, et al.

iventors:

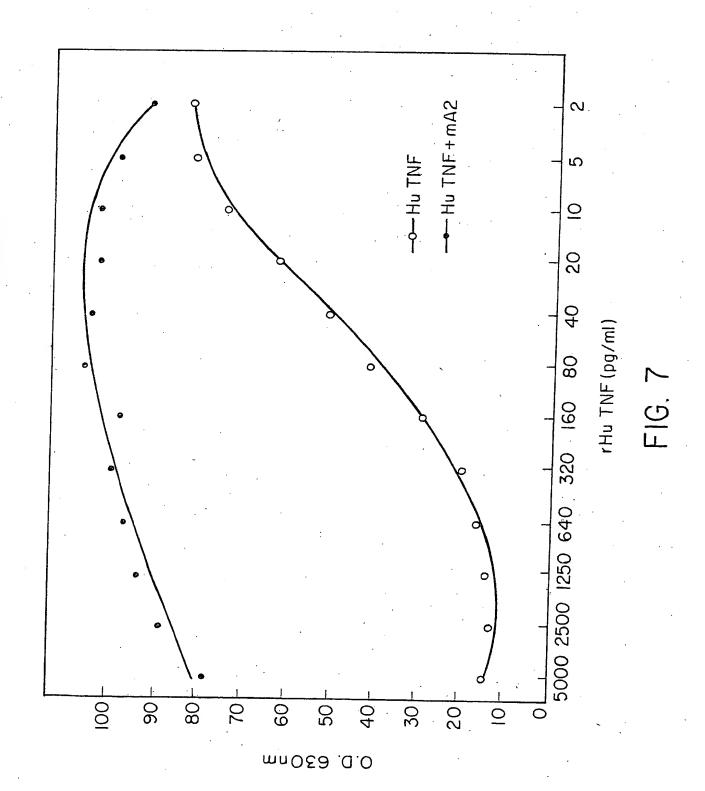


Anti-TNF Antibodies and Peptidors: Junming Le, et al.



Docket No.: 0975.1005-010

: Anti-TNF Antibodies and Peptide ntors: Junming Le, et al.



Titl Anti-TNF Antibodies and Peptides...

Inventors: Junming Le, et al.

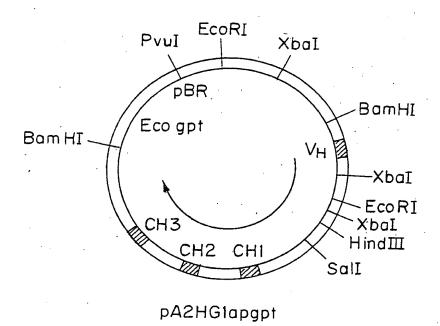


FIG. 8A

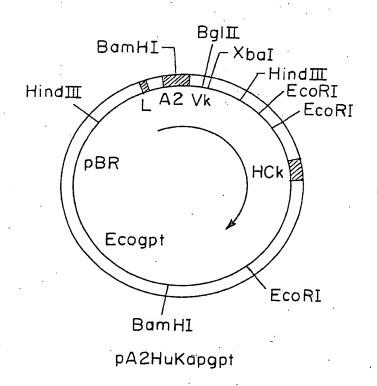


FIG. 8B

Anti-TNF Antibodies and Peptides

Inventors: Junming Le, et al.

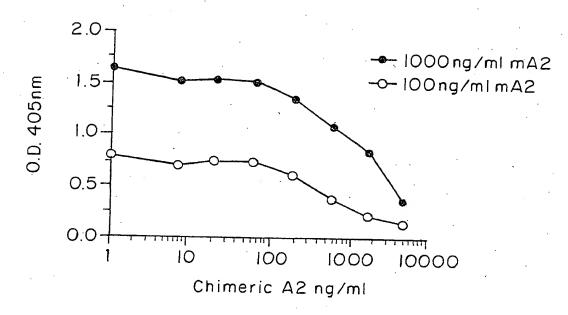


FIG. 9A

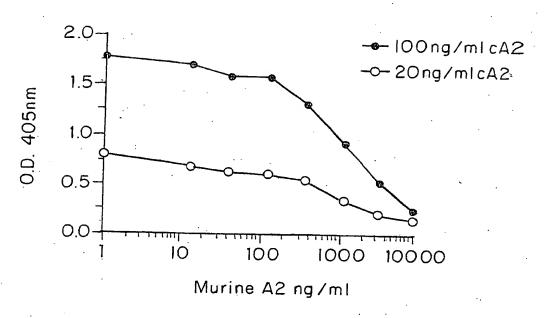


FIG. 9B

0975.1005-010

Anti-TNF Antibodies and Peptide

Junming Le, et al. Inventors:

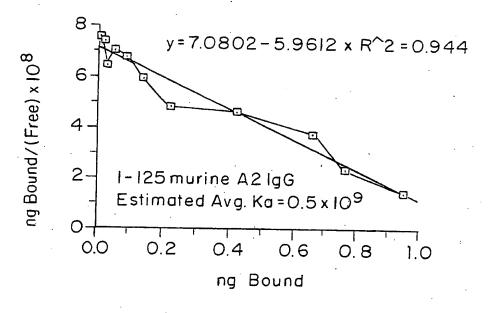


FIG. 10A

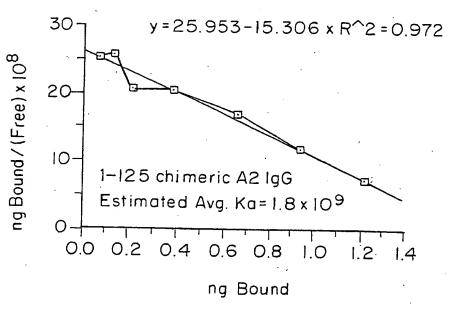


FIG. 10B

Anti-TNF Antibodies and Peptides...

nventors: Junming Le, et al.

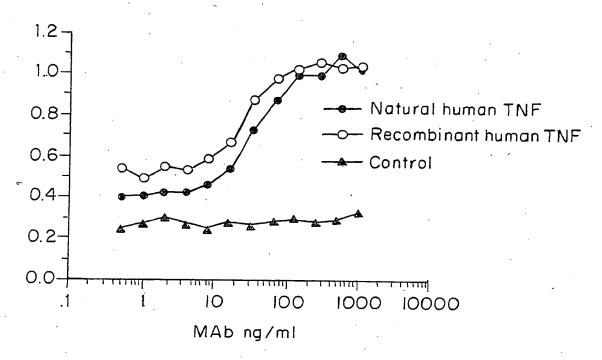


FIG. 11

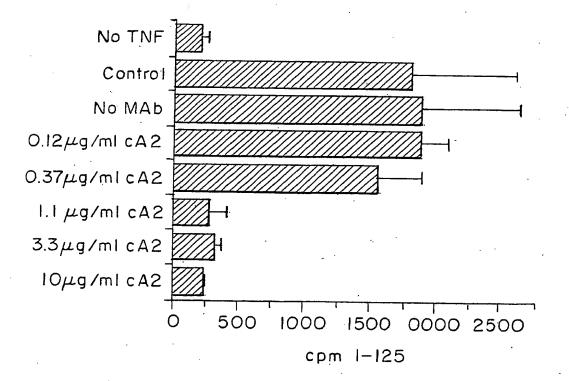


FIG. 12

nti-TNF Antibodies and Peptides...

Junming Le, et al.

Asn Pro Ala Val Val Pro Val Ala His Lys Asp Ser ProArg Thr Ser Ser Ser Val

30 Gln Leu Gln Gly Glu Ala 21 Gln

GlyAsn Asn Ala Leu Leu Ala Ala Arg Arg Asn Leu Trp

Ser Pro Val Val Leu Gln Asn Asp Glu Leu Arg

Ser Tyr Ile Tyr Leu Gly Leu Glu

 Thr His Thr His Val Leu Leu Thr Ser 70 Pro Cys GlyGln GlyLys Phe Leu

Pro Ser LysIle Ala Ser Asn Leu Leu Val Lys Thr $_{
m Gln}$ ${ t r}{
m yr}$ Ser Val Ala Ile

Arg

81 Ser

Cys

101

6j Gln

41 Val

Leu Ile Glu Pro Tyr Trp Pro LysAla 110 Glu Ala G1yGlu Glu Thr Arg Gln

Pro Asp Ile Asn Arg Glu Ala Ser Leu Arg Asp GlyPhe Gln Leu Glu Lys Val Gly 121 Gly

Ala Ile G1yPhe Tyr150 Val Gln GlySer Glu Ala Phe Asp Leu 141 Tyr

D975555.O118O1

entors: Junming Le, et al.

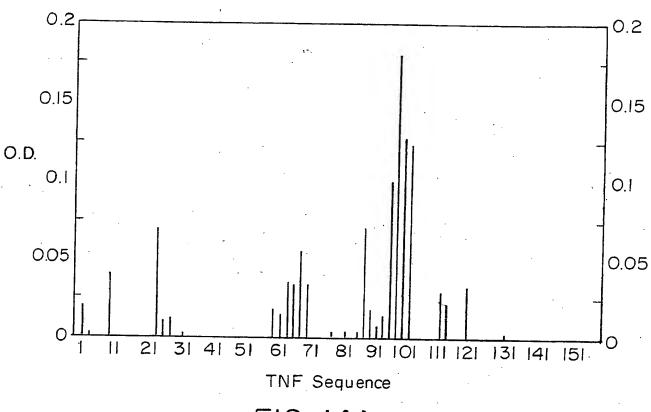


FIG. 14A

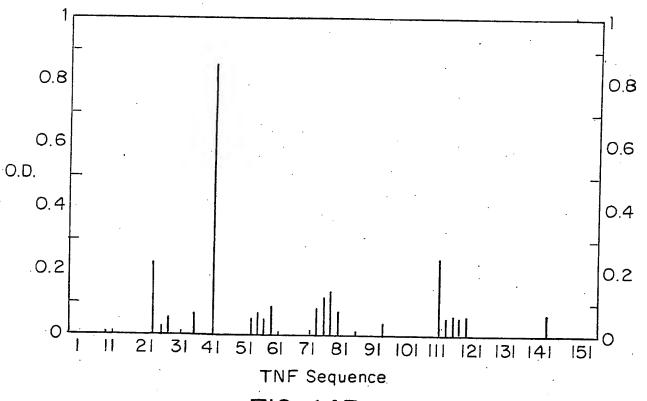


FIG. 14B

Anti-TNF Antibodies and Peptides

Junming Le, et al.

Ala Asn Pro GlyAsn Ala Leu Leu Ala Asn Val Val His Ala Ala Pro Val Arg Lys Arg Asp Asn Pro Ser Leu Trp Thr Gln Leu Gln Ser Arg Gly Ser Glu Ser Arg Ala Val Gln

10

Glu Ser Pro 50 Val Glu Leu Arg Asp Asn Gln Leu Val Val

Ile Ser Thr His IleLeu Leu Leu Thr TyrGly Leu His Val Thr Ser Pro Cys Gln Gly Gly Lys Phe Leu Val Gln

Pro Ser Lys I1eAla Ser Leu Leu Asn Val Lys Thr Tyr Gln Ser Ile Ala Val Arg Ser 81

Trp Tyr Glu Pro Ile Pro Lys Ala Glu Ala G1yGlu Pro Thr Glu Arg Gln Cys 101

Len

 Tyr

Asn Arg Pro Asp Ile Glu Ala Ser Leu Arg Asp 130 Phe Gln Leu Glu Lys Gly Gly Val 121 Gly

Ala IleIle GlyPhe Tyr 150 Val Gln G1yGluser Ala Phe Leu Asp 141

iti-TNF Antibodies and Peptide

Junming Le, et al.

 ${\tt AspIleLeuLeuThrGlnSerProAlaIleLeuSerValSerProGlyGluArgValSer}$ GACATCTTGCTGACTCAGTCTCCAGCCATCCTGTCTGTGAGTCCAGGAGAAAGAGTCAGT

TTCTCCTGCAGGGCCAGTCAGTTCGTTGGCTCAAGCATCCACTGGTATCAGCAAAGAACA $\tt Phe Ser CysArgAla Ser GlnPhe Val Gly Ser Ser Ile HisTrpTyr Gln Gln Arg Thr$ AATGGTTCTCCAAGGCTTCTCATAAAGTATGCTTCTGAGTCTATGTCTGGGATCCCTTCC ${\tt AsnGlySerProArgLeuLleLysTyrAlaSerGluSerMetSerGlyIleProSer}$

AGGTTTAGTGGCAGTGGATCAGGGACAGATTTTACTCTTAGCATCAACACTGTGGAGTCT ${\tt ArgPheSerGlySerGlyThrAspPheThrLeuSerIleAsnThrValGluSer}$

GAAGATATTGCAGATTATTACTGTCAAGAAAGTCATAGCTGGCCATTCACGTTCGGCTCG ${\tt GluAspIleAlaAspTyrTyrCysGlnGlnSerHisSerTrpProPheThrPheGlySer}$

GGGACAAATTTGGAAGTAAAA GlyThrAsnLeuGluValLys

16A FIG.

Anti-TNF Antibodies and Peptides

tors: Junming Le, et al.

GAAGTGAAGCTTGAGGAGTCTGGAGGCTTGGTGCAACCTGGAGGATCCATGAAACTC ${\tt GluValLysLeuGluGluSerGlyGlyGlyLeuValGlnProGlyGlySerMetLysLeu}$

 ${\tt SerCysValAlaSerGlyPheIlePheSerAsnHisTrpMetAsnTrpValArgGlnSer}$ TCCTGTGTTTGCCTCTGGATTCATTTTCAGTAACCACTGGATGAACTGGGTCCGCCAGTCT

CCAGAGAAGGGGCTTGAGTTGCTGAAATTAGATCAAAATCTATTAATTCTGCAACA $\tt ProGluLysGlyLeuGluTrpValAlaGluIleArgSerLysSerIleAsnSerAlaThr$

 ${\tt HisTyrAlaGluSerValLysGlyArgPheThrIleSerArgAspAspSerLysSerAla}$ CATTATGCGGAGTCTGTGAAAGGGGAGGTTCACCATCTCAAGAGAGATGATTCCAAAAGTGCT

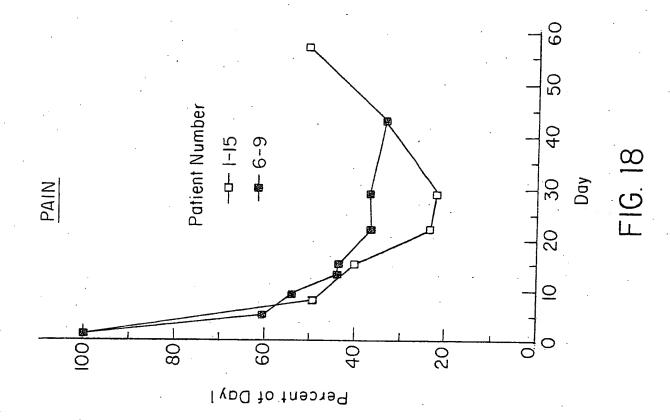
GTGTACCTGCAAATGACCGACTTAAGAACTGAAGACACTGGCGTTTATTACTGTTCCAGG ${\tt ValTyrLeuGlnMetThrAspLeuArgThrGluAspThrGlyValTyrTyrCysSerArg}$

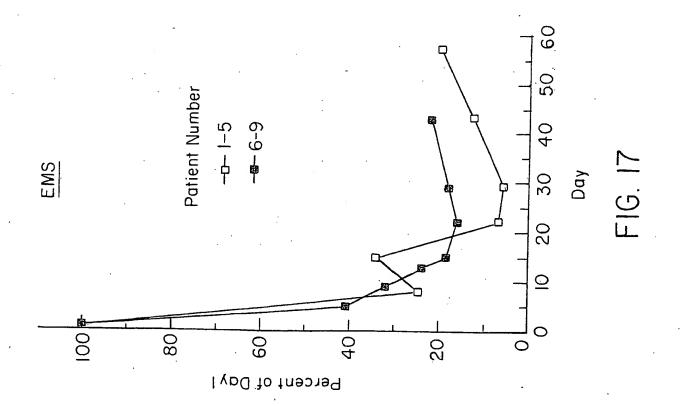
AATTACTACGGTAGTACCTACGACTACTGGGGCCAAGGCACCACTCTCACAGTGTCC ${\tt AsnTyrTyrGlySerThrTyrAspTyrTrpGlyGlnGlyThrThrLeuThrValSer}$

FIG. 16B

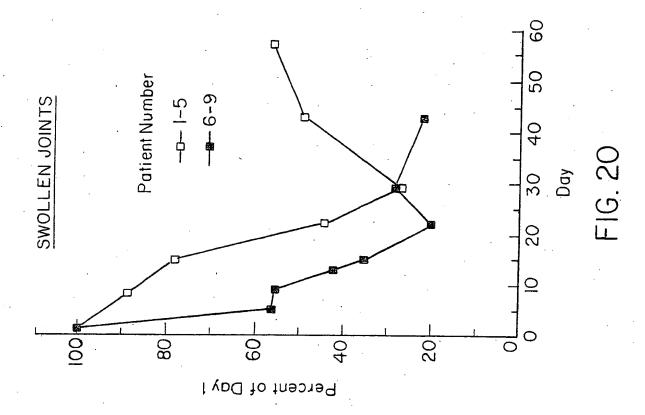
Anti-TNF Antibodies and Peptides..

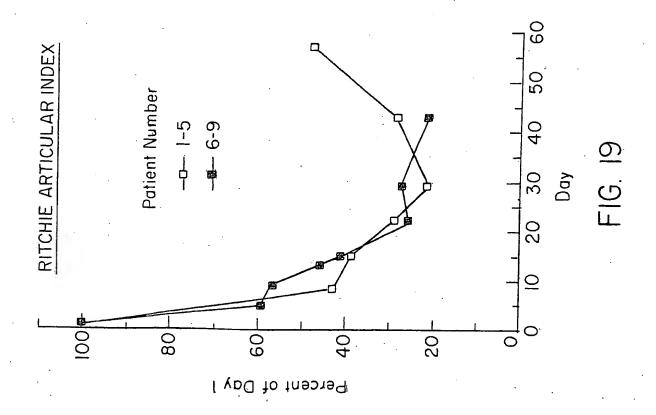
In Cors: Junming Le, et al.





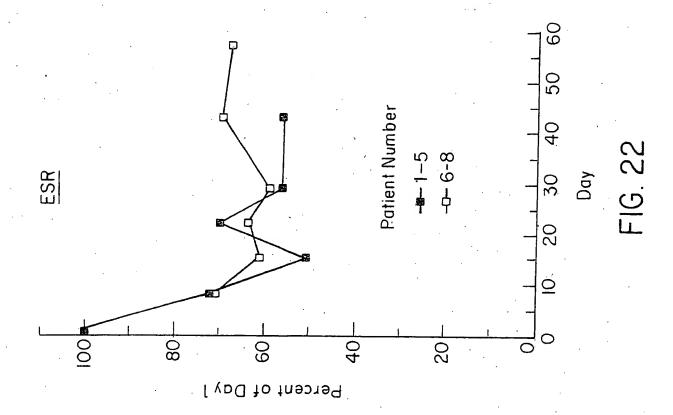
Anti-TNF Antibodies and Peptides ors: Junming Le, et al.

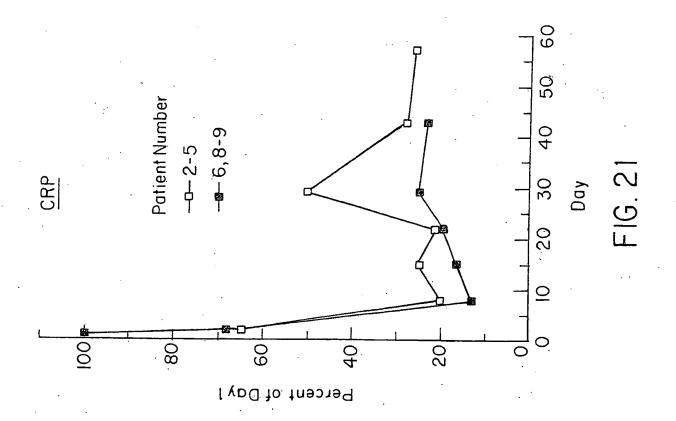




No.: 0975.1005-010
Anti-TNF Antibodies and Peptides...
ors: Junming Le, et al.

Inventors:





ocket No.: 0975.1005-010 le: Anti-TNF Antibodies and Peptid

Junming Le, et al. Inventors:

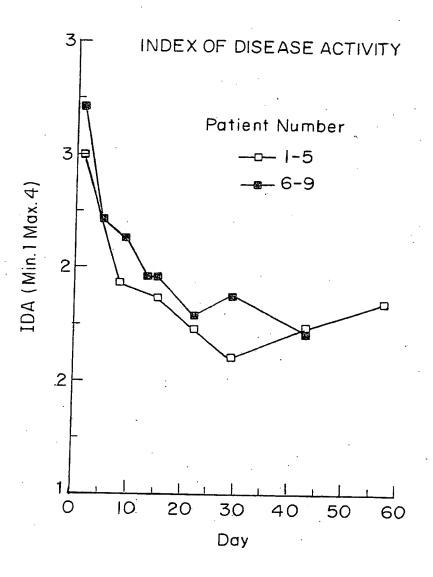
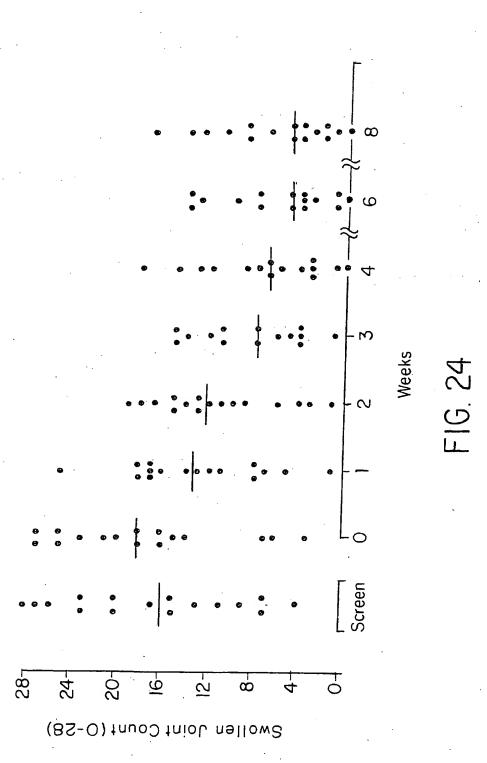


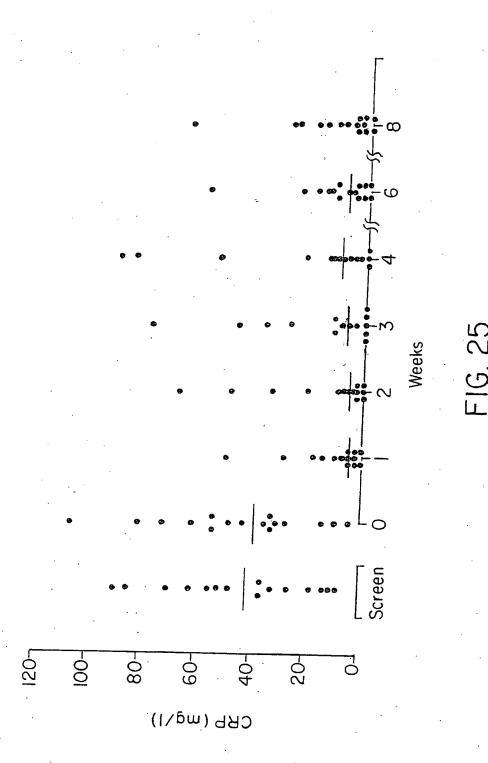
FIG. 23

o.: 0975.1005-010 ti-TNF Antibodies and Peptides...

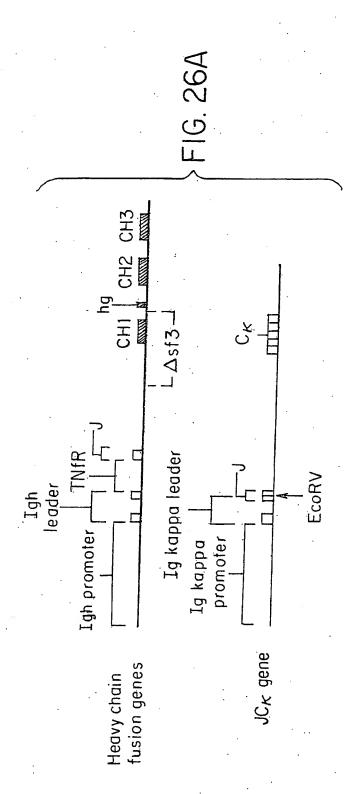
Junming Le, et al. Inventors:



ICZEET TIAST



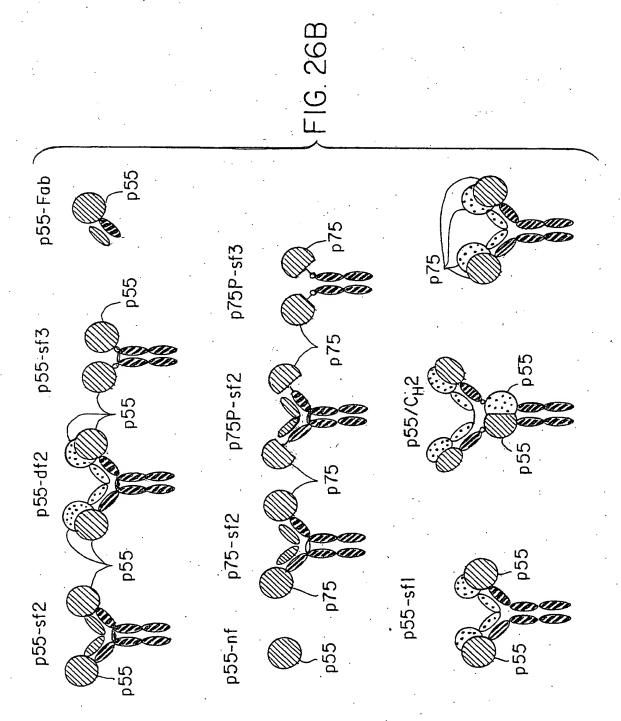
The first than the first time that the state that the first that the state that the state that the state that



Docket No.: 0975.1005-010

e: Anti-TNF Antibodies and Peptide

tors: Junming Le, et al.



CCT GGT ACC TTA GTC ACC GTC TCC TCA G GTAA J-C intron Thr Val Ser Ser intron CACAG GT ATC CAG G CCT GGT ACC TTA GTC ACC GTC TCC TCA G GTAA Ser Ser humanJ Thr Leu Val PUC 19 human J Ţ PUC19 Xba Eco Za/ Xbalxba Eco <u>ਰੇ</u> Xba | Xba Pro Stu Xba Signal peptidase Pro Gly insert pHC707 Stu CACAG GT ATC CAG G CA Ala Ecol leader peptide Stu Eco le f incomplete Oln peptide leader pHC584 PCR fragments Ħe <u>=</u> M-T412 lgH gene leader intron intron leader partial sequence of pHC707 pHC707 with insert

Docket No.:

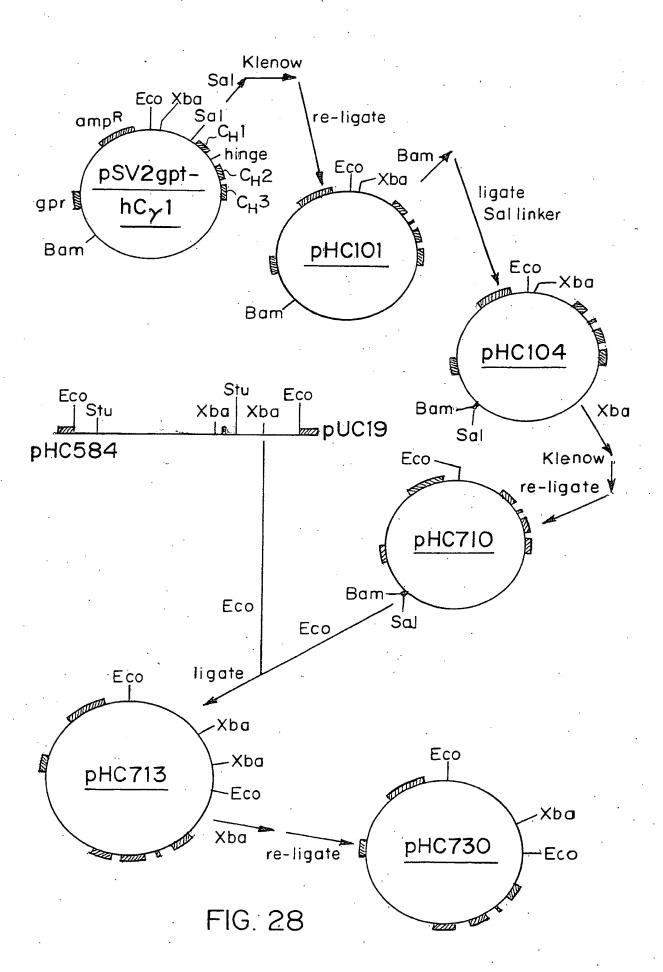
0975.1005-010

Junming Le, et al.

-TNF Antibodies and Peptides.

Tit Anti-TNF Antibodies and Peptides...

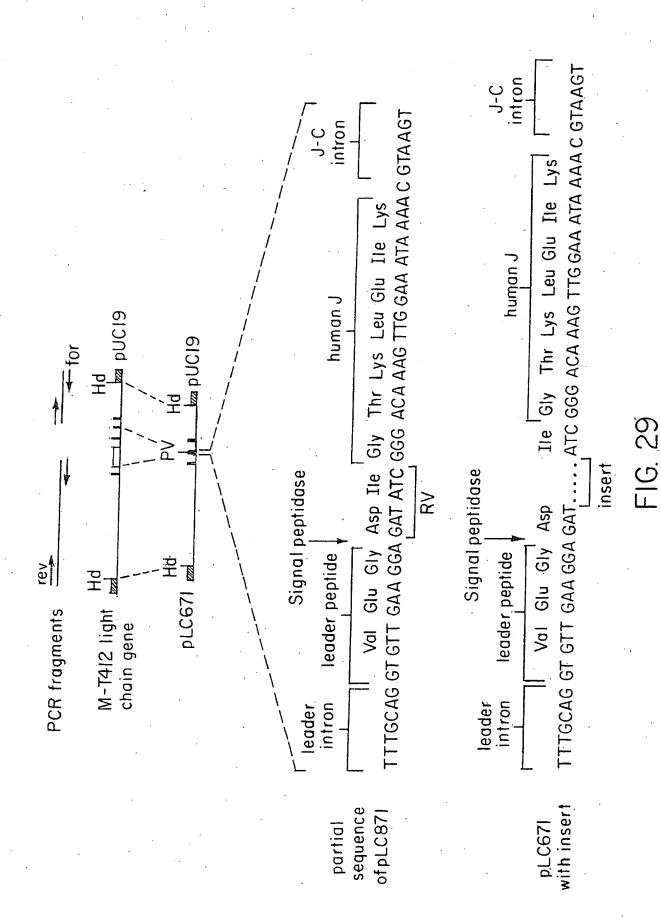
Inventors: Junming Le, et al.

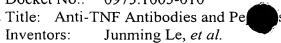


Docket No.: 0975.1005-010

Tit Anti-TNF Antibodies and Peptides...

Inventors: Junming Le, et al.





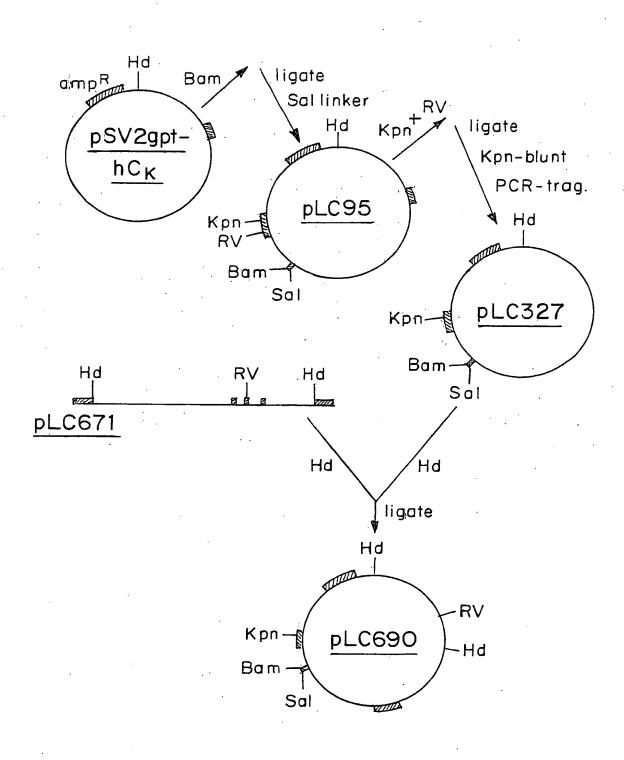


FIG. 30

No.: 0975.1005-010
Anti-TNF Antibodies and Peptides ors: Junming Le, *et al*.

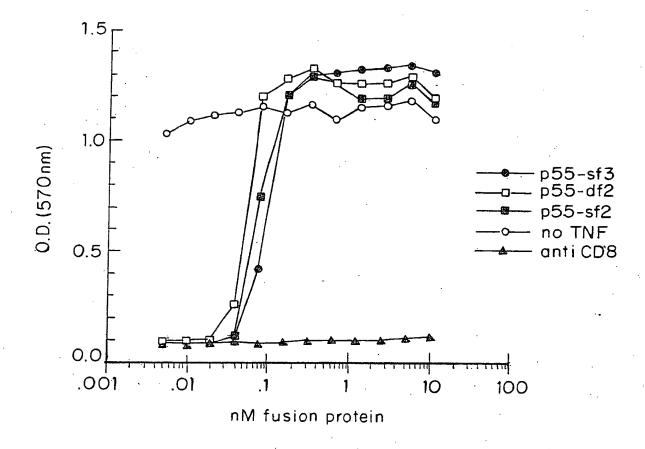


FIG. 31A

Anti-TNF Antibodies and Peptides ors: Junming Le, et al.

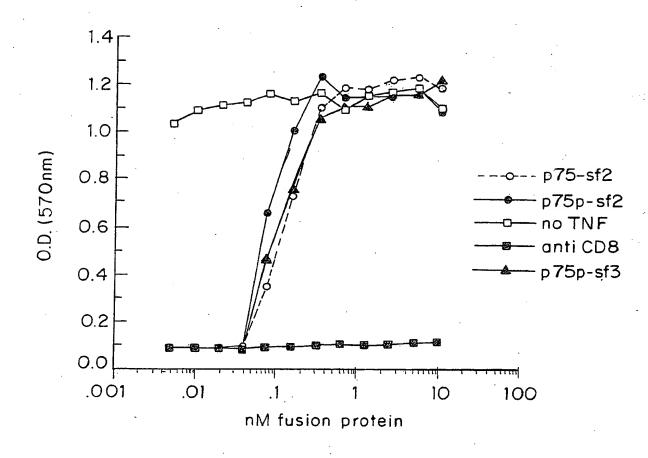


FIG. 31B

Anti-TNF Antibodies and Peptides

Inventors: Junming Le, et al.

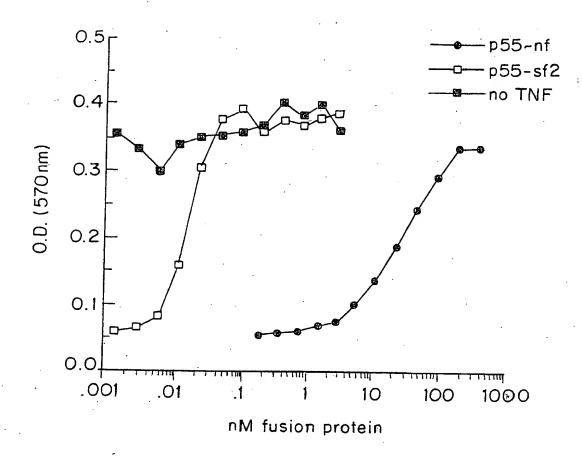


FIG. 31C

Docket No.: 0975.1005-010 tle: Anti-TNF Antibodies and Peptid Inventors: Junming Le, et al.

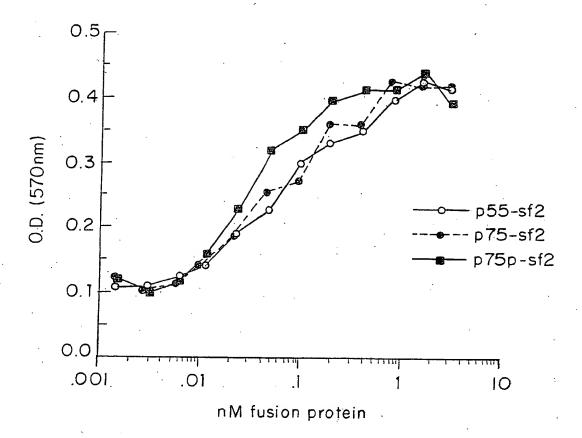


FIG. 32

Anti-TNF Antibodies and Peptides.

Inventors: Junming Le, et al.

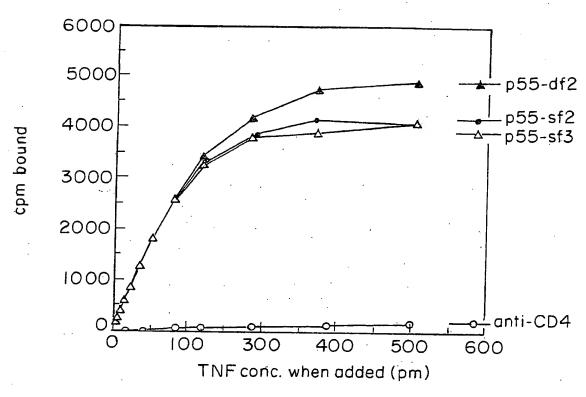


FIG. 33A

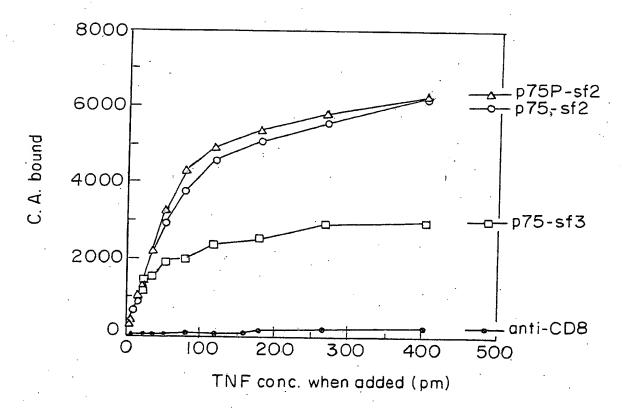
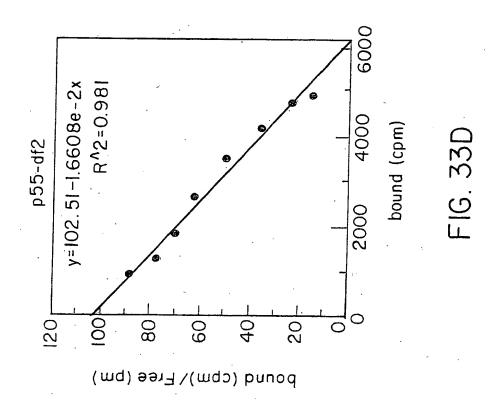
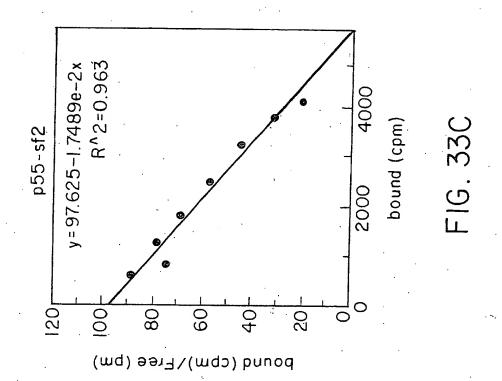


FIG. 33B

Anti-TNF Antibodies and Peptides.

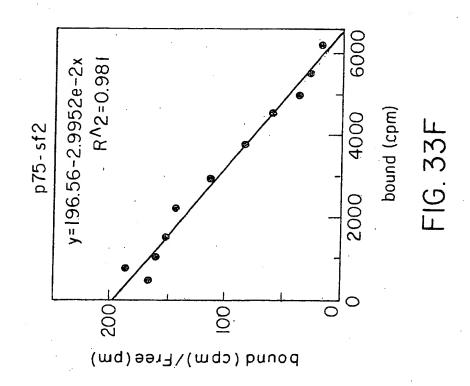
In tors: Junming Le, et al.

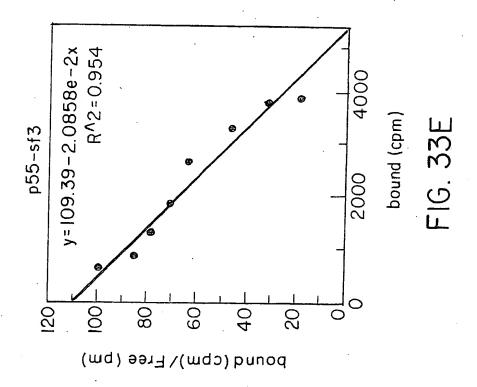




Anti-TNF Antibodies and Peptides

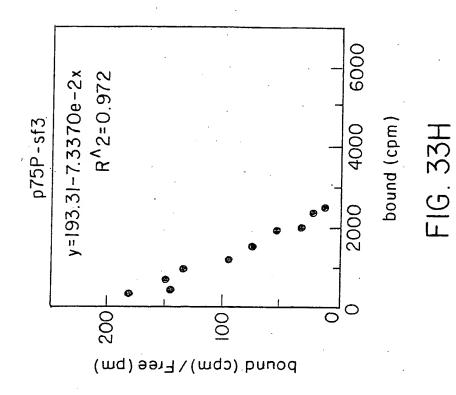
nventors: Junming Le, et al.

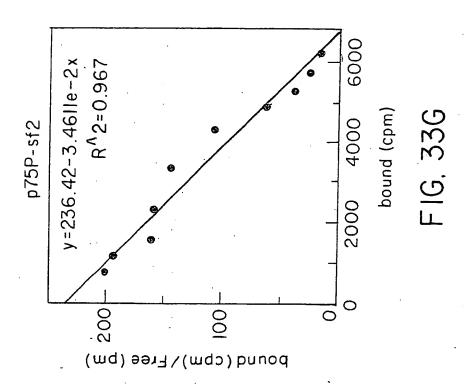




Ti: Anti-TNF Antibodies and Peptides...

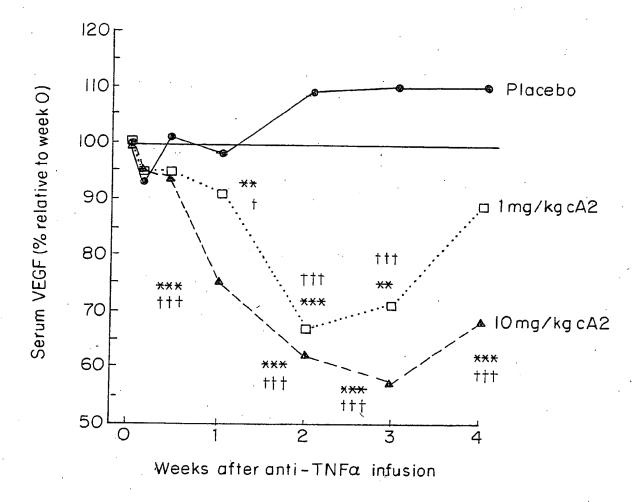
Inventors: Junming Le, et al.





Anti-TNF Antibodies and Peptides...

Inventors: Junming Le, et al.



* p \leq 0.05, **p \leq 0.01, *** p \leq 0.001 *versus* pre-infusion † p \leq 0.05, ††p \leq 0.01, ††† p \leq 0.001 *versus* change in placebo group

FIG. 34